

SZ-16

- 24x super-wide optical zoom (25-600mm*)
- iHS Technology
- TruePic V image processor
- Tele-Photo Macro
- 48x with Super-Resolution Zoom
- 16 Megapixel CMOS
- 7.6cm/3.0" 460,000 dot colour LCD
- Dual Image Stabilisation



Zoom in on what matters most

The 24x super wide optical zoom lens on the SZ-16 takes you from “Wow, look at this valley” all the way to “Oh, what a beautiful butterfly!”, without you moving at all. What’s more: you can capture the butterfly in just as much detail as the valley thanks to Super-resolution Zoom that boosts still-photo magnification to 48x without any loss of image quality. Another clever feature makes sure you don’t disturb the butterfly before you get your shot. With Telephoto Macro, you can zoom in for larger-than-life close-ups from up to 40cm away so there’s no risk of scaring off your subject. The SZ-16 gives you the power to capture brilliant stills and Full HD movies with excellent frame-by-frame clarity – thanks to the high-sensitivity CMOS sensor and high-speed processor that come with next-generation iHS technologies. You can also film high-speed HD movies at 120 frames per second, which gives you the option to play back fast-action scenes in dramatic slow-motion. Other creative options include Photo with Movie Clip that automatically records video before or after taking a shot, or the Smart Panorama feature, which stitches together multiple photos when you pan the camera. Sharing your images on social media or the web is easy – via an external FlashAir™ card and your familiar smartphone interface. The SZ-16 makes everything beautifully simple, be it shooting or sharing, up close or far away.

Specifications

Image Sensor

Effective pixels	16 Megapixels
Filter array	Primary colour filter (RGB)
Full resolution	17.5 Megapixels
Type	1/2.3" CMOS

Lens

Optical zoom	24x (WIDE)
Focal length	4.5 - 108.0mm
Focal length (equiv. 35mm)	25 - 600mm
Maximum aperture	3.0 - 6.9
Structure	11 lenses / 10 groups
Aspherical glass elements	3
ED glass elements	3

Digital Zoom

Enlargement factor	4x / 96x combined with optical zoom
Super Resolution Zoom	-

Monitor

Resolution	460000 dots
Monitor size	7.6cm / 3.0"
Monitor type	LCD
Frame assistance	Yes
Brightness adjustment	+/- 2 levels
Protection panel	Yes

Focusing System

Method	TTL iESP auto focus with contrast detection
Modes	iESP Face Detection AF Spot AF Tracking
Standard mode	0.1m - (wide) / 0.4m - (tele)
Super Macro Mode	Closest focusing distance: 3cm
AF illuminator	Yes

Light Metering

Modes	ESP light metering Spot metering
Histogram in shooting mode	Yes

Exposure System

Modes	i-Auto Programme automatic Beauty Super Macro Scene Modes Magic Filter Panorama P + Movie clip
Shutter speed	1/4 - 1/2000s / < 4s (Night scene)
Exposure compensation	+/- 2EV / 1/3 steps
Enhancement function	Mechanical Image Stabiliser (Sensor shift)
	Advanced Face Detection Technology Shadow Adjustment Technology Pet Detection

Scene Modes

Number of scene modes	16
Modes	Portrait Landscape Hand-held Starlight Night Scene Night Scene with portrait Sports Indoor Self-portrait

Magic Filter

Types	Pop Art Pin Hole Fisheye Soft Focus Punk Sparkle Water colour Reflection
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Multi-Recording

Modes	Photo with Movie Clip
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Sensitivity

Auto	AUTO / High AUTO
Manual	ISO 100, 200, 400, 800, 1600, 3200, 6400

White Balance

AUTO WB system	Yes
Preset values	Overcast Sunlight Tungsten Flourescent 1
One-touch white balance	1 custom settings can be registered

Internal Flash

Modes	AUTO Red-eye reduction Fill-in Off
Working range (wide)	0.15 - 13.2m (ISO 3200)
Working range (tele)	0.4 - 5.7m (ISO 3200)

Sequence Shooting

Sequential shooting mode (high speed)	30fps / 28 frames (in 3MP mode) 10fps / 28 frames (in 3MP mode)
Sequential shooting mode	1.5fps / 200 frames (Full Image Size) 3.0fps / 3 frames (Full Image Size)

Image Processing

Noise reduction	Yes
Pixel mapping	Yes
Engine	TruePic V
Shading compensation	Yes
Distortion compensation	Yes

Image Editing

Resize	Yes
Trimming	Yes
Correction of saturation	Yes
Beauty Fix	Yes
Red-eye reduction	Yes
Shadow Adjustment	Yes

View Images

Modes	Single Index Zoom Slide show Event
Index	5 x 4 frames
Zoom	1.1 - 10x
Auto rotation	Yes
Image protect mode	Yes
Histogram in playback mode	Yes

View Movie

Modes	Frame by frame Fast forward Reverse playback
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Still Image Recording

DCF	Yes
RAW	No
EXIF	2.3
PIM	III
DPS	PictBridge
DPOF	Yes

Movie Recording System

Recording format	QuickTime Motion JPEG®
Image Stabilisation Mode	Digital Image Stabilisation
HD Movie quality	1080P / 30fps Recording time: 29min. 720P Recording time: 29min.
Movie quality	VGA Recording time: Up to card capacity
High-Speed Recording	QVGA / 240fps Recording time: 20sec. VGA / 120fps 20sec. Note: maximum file size 4GB
	When shooting 720P movies use SDHC/SDXC class 6 or higher.
Magic Filter	Pop Art Pin Hole Fisheye Soft Focus Punk Water colour Reflection Miniature

Sound Recording System

Voice playback	Yes
Sound recording	Yes , format: PCM
Image footage	4s
Speaker	Yes

Memory

Removable Media	SD / SDHC / SDXC (UHS-I class supported)
Eye-Fi Card compatible	Yes
Internal memory	43MB

Image Size

16M	-
8M	3264 x 2448
3M	2048 x 1536
VGA	640 x 480
Aspect ratio	4:3 / 3:2 / 16:9 / 1:1

Menu

Menu languages in camera	39
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Other Features

Perfect Shot Preview	Yes
Self timer	2 / 12s Pet auto shutter
Menu guide	Yes
Panorama function	Smart Panorama
Date imprint	Yes
SNS upload	Yes

Power Supply

Battery	LI-50B Lithium-Ion Battery
Internal Charging	Yes

Interface

DC input	Yes
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
HDMI™	Yes Micro connector (Type D) *
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.

Size

Dimensions (W x H x D)	107.9 x 69.7 x 39.9mm
Weight	227g (including battery and memory card)

Exterior

Material	Metal
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*Equivalent to a 35mm camera